

ABSTRACT

A purpose of the present invention is to provide substrates utilized for a library of DNA by immobilizing DNA and DNA-immobilized chips utilized for reproducing DNA by a PCR amplifying reaction. In the present invention, PCR amplifying method is operated by utilizing DNA-immobilized chips having DNA immobilized on an excellent conductive substrate. A surface of the substrate is chemically modified with a radical of which a terminal is a polar radical. In the PCR method, DNA can be amplified for a short period by utilizing DNA-immobilizing chips having DNA immobilized on the substrates.

1. A substrate for immobilizing DNA, comprising a conductive substrate having a surface chemically modified with a radical having a terminal which is a polar radical.